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### **(54) FLAVONOID-CONTAINING AGENT FOR SUPPRESSING SYNTHESIS OF PROTEIN OF HSP60 FAMILY**

#### **(57)Abstract:**

**PROBLEM TO BE SOLVED:** To provide the above suppressing agent containing a flavonoid as an active component, suppressing the expression of a heat shock protein group having a specific molecular weight and useful for the treatment of autoimmune diseases related with the protein such as type I diabetes and rheumatoid arthritis.

**SOLUTION:** This agent for suppressing the synthesis of heat shock proteins having a molecular weight of 57-68kD contains a flavonoid such as quercetin, catechins (e.g. epigallocatechin gallate, epicatechin gallate, epigallocatechin, epicatechin or their isomers), rutin or baicalein as an active component. The agent is preferably administered at a daily rate of 1mg to 10g in terms of flavonoid for adult in 1-4 divided doses by oral or parenteral administration.